CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited As Per ISO/IEC : 17025:2005 Laboratory

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/DM/17/2021-22

Date: 06.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Executive Engineer, RR Nagar Division, BBMP, Bangalore.
Agency	: Sri. Damodar Manjunath (K Damodar and Co), Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2021	06.07.2021	8.165	362.8	16.12
2	29.06.2021	06.07.2021	8.152	374.9	16.66
3	29.06.2021	06.07.2021	8.141	386.9	17.20

Note:

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/DM/17/2021-22

Date: 06.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2021	06.07.2021	8.120	355.9	15.82
2	29.06.2021	06.07.2021	8.131	386.4	17.17
3	29.06.2021	06.07.2021	8.117	376.7	16.74

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 06.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2021	06.07.2021	8.000	365.2	16.23
2	29.06.2021	06.07.2021	8.016	381.6	16.96
3	29.06.2021	06.07.2021	8.027	390.7	17.36

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 07.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2021	07.07.2021	8.082	341.2	15.16
2	30.06.2021	07.07.2021	8.094	357.6	15.89
3	30.06.2021	07.07.2021	8.107	368.4	16.37

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 07.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2021	07.07.2021	8.100	355.8	15.81
2	30.06.2021	07.07.2021	8.121	370.3	16.46
3	30.06.2021	07.07.2021	8.146	384.9	17.11

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 08.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.025	351.2	15.61
2	01.07.2021	08.07.2021	8.016	339.6	15.09
3	01.07.2021	08.07.2021	8.037	374.7	16.65

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Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	08.07.2021	8.100	370.2	16.45
2	01.07.2021	08.07.2021	8.193	383.9	17.06
3	01.07.2021	08.07.2021	8.167	394.1	17.52

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 09.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2021	09.07.2021	8.131	342.3	15.21
2	02.07.2021	09.07.2021	8.122	356.1	15.83
3	02.07.2021	09.07.2021	8.117	378.1	16.80

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Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2021	09.07.2021	8.038	380.6	16.92
2	02.07.2021	09.07.2021	8.047	397.8	17.68
3	02.07.2021	09.07.2021	8.051	357.7	15.90

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 10.07.2021

Client	: Executive Engineer, RR Nagar Division, BBMP, Bangalore.
Agency	: Sri. Damodar Manjunath (K Damodar and Co), Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.07.2021	10.07.2021	8.010	366.3	16.28
2	03.07.2021	10.07.2021	8.034	381.8	16.97
3	03.07.2021	10.07.2021	8.059	399.7	17.76

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Date: 10.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	03.07.2021	10.07.2021	8.132	341.3	15.17
2	03.07.2021	10.07.2021	8.154	355.3	15.79
3	03.07.2021	10.07.2021	8.172	369.8	16.44

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 26.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Executive Engineer, RR Nagar Division, BBMP, Bangalore.
Agency	: Sri. Damodar Manjunath (K Damodar and Co), Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2021	26.07.2021	8.059	485.4	21.57
2	28.06.2021	26.07.2021	8.086	496.2	22.05
3	28.06.2021	26.07.2021	8.097	476.5	21.18

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/DM/17/2021-22

Date: 26.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	
Agency	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Name of the work	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2021	26.07.2021	8.065	498.3	22.15
2	28.06.2021	26.07.2021	8.032	480.2	21.34
3	28.06.2021	26.07.2021	8.029	473.5	21.04

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 26.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.06.2021	26.07.2021	8.183	502.3	22.32
2	28.06.2021	26.07.2021	8.195	491.7	21.85
3	28.06.2021	26.07.2021	8.167	484.6	21.54

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 27.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Executive Engineer, RR Nagar Division, BBMP, Bangalore.
Agency	: Sri. Damodar Manjunath (K Damodar and Co), Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2021	27.07.2021	8.101	501.3	22.28
2	29.06.2021	27.07.2021	8.115	482.8	21.46
3	29.06.2021	27.07.2021	8.129	479.5	21.31

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 27.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2021	27.07.2021	8.023	511.2	22.72
2	29.06.2021	27.07.2021	8.046	506.6	22.52
3	29.06.2021	27.07.2021	8.057	523.8	23.28

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 27.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.06.2021	27.07.2021	8.091	490.9	21.82
2	29.06.2021	27.07.2021	8.035	482.2	21.43
3	29.06.2021	27.07.2021	8.075	510.7	22.70

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Job No.: CQCE/BBMP/DM/17/2021-22

Date: 28.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	: **Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2021	28.07.2021	8.141	500.2	22.23
2	30.06.2021	28.07.2021	8.158	488.6	21.72
3	30.06.2021	28.07.2021	8.169	499.7	22.21

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Job No.: CQCE/BBMP/DM/17/2021-22

Date:

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Executive Engineer,** RR Nagar Division, BBMP, Bangalore.
Agency	**: Sri. Damodar Manjunath (K Damodar and Co),** Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2021	28.07.2021	8.073	511.2	22.72
2	30.06.2021	28.07.2021	8.095	503.7	22.39
3	30.06.2021	28.07.2021	8.107	526.4	23.40

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Date: 29.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Executive Engineer, RR Nagar Division, BBMP, Bangalore.
Agency	: Sri. Damodar Manjunath (K Damodar and Co), Contractor, Bangalore.
Name of the work	: Construction of Individual Houses in Ward No 17 RR Nagar Constituency, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	01.07.2021	29.07.2021	8.022	484.5	21.53
2	01.07.2021	29.07.2021	8.038	495.8	22.04
3	01.07.2021	29.07.2021	8.049	506.8	22.52

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